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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: ALLSOP et al.

Application Serial No.: 10/521,335

Filing Date: January 10, 2005

For: OPTICAL WAVEGUIDE BASED  
SURFACE PROFILING  
APPARATUS

) Confirmation No.: 9160

)

) Group Art Unit: 2874

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) Examiner: Chu, Chris H.

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) **RESPONSE TRANSMITTAL**

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) Attorney Docket No.: I05.004

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) **PTO Customer Number 28062**

) Buckley, Maschoff & Talwalkar LLC

) 50 Locust Avenue

) New Canaan, CT 06840

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CERTIFICATE OF MAILING UNDER 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on January 19, 2007.

Dated: January 19, 2007

By:

Edith Martin

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing are:

1. ☒ Statement of the Substance of the Interview Summary mailed January 3, 2007.
2. ☒ Additional Enclosures: Acknowledgement Postcard.

Respectfully submitted,

Kurt M. Maschoff  
Registration No. 38,235  
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50 Locust Avenue  
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January 19, 2007

Date



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) **STATEMENT OF THE SUBSTANCE of**  
) **the INTERVIEW SUMMARY**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is in response to the Interview Summary (Paper No. 20061214) mailed January 3, 2007. As requested by the Examiner, and pursuant to MPEP § 713.04, Applicants provide the following telephonic summary of the interview of 14 December 2006. The interview included the undersigned, Examiner Chris H. Chu and Michelle Connelly-Cushwag. The participants discussed independent claim 23 and the Hubner et al reference. Agreement was reached that claim 23 is patentable over the art of record at least because the references fail to teach or suggest a surface profiling apparatus having optical detection means optically coupled to the output end of an optical waveguide and being operable to measure the amplitude of a detected

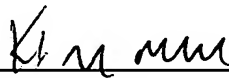
optical signal at least one harmonic of the modulation frequency in order to detect changes in the spectral transmission profile of the optical waveguide grating curvature sensing device being interrogated and to thereby determine the curvature experienced by the optical waveguide grating curvature sensing device. The undersigned agreed to file a response correcting matters in dependent claims 31 and 32 (a response was filed on December 15, 2006, which also included a summary of the interview).

No fees are believed due in conjunction with this paper. Applicants believe the case is in form for allowance and respectfully request allowance of the pending claims.

If any issues remain, or if the Examiner has any further suggestions for expediting allowance of the present application, the Examiner is kindly invited to contact Kurt M. Maschoff using the information provided below.

Respectfully submitted,

January 19, 2007  
Date

  
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